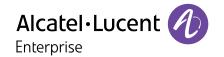# Alcatel-Lucent Rainbow and the intelligent campus: Optimize the education journey for student success

Bring students, teachers and staff together with one mobile application

Alcatel·Lucent
Enterprise

Enable student success with cognitive communications

Student centricity:
Provide personalized educational services

Facilitate enrollment

Enable universities to collect information on their prospective students by integrating Rainbow within the university's web applications, facilitating enrollment and applications.

Collaborative learning

Students — accustomed to social media, communities and mobility — can learn from any place and from any device. The learning process must be adjusted and become collaborative. It needs to integrate communications and collaboration so that students can share questions with teachers and share knowledge between themselves or for follow-up on their projects. Rainbow Communications Platform as a Service (CpaaS) easily integrates within learning management systems to increase teacher and student experiences.

Enhance on-campus experience

Improve student campus and academic life by integrating conversation and collaboration services into campus mobile applications. This helps provide better personal services and supports various communities such as students, teachers' communities, sport teams and artistic or geographic communities.

Best student services:

- Create chatbots with the campus mobile application to help students find the classroom for their next course
- Integrate automatic translation services within the applications to support foreign students during international exchange
- Support student project follow-up, remind him/her of their next target, and help them share their progress with other students and their teacher
- Help students in their daily lives and connect them with the administrative or IT team to solve their problems and inform them of service disruptions or changes

Alcatel-Lucent Rainbow™ for Education provides rich communications to all teachers, administrators and staff, enabling a continuous dialogue between students and parents as well as the overall ecosystem. By integrating Rainbow into a user-friendly web or mobile application, learning management systems or business applications, you will ensure students have the right technology, communications and collaboration tools to achieve the highest-quality education.

Safe learning environment: Augment awareness, increase coordination and improve safety

Augment awareness

Improve security and campus safety through rapid emergency event notices. All alerts must be managed as quickly as possible, be it a call from an emergency contact point or a trigger from an internet of things (IoT) device, such as the detection of an intrusion or a system signaling a hacking risk. By correlating different notifications, potentially through artificial intelligence, operational and security teams can make the best decision in a timely manner, limiting accidents and financial risks.

Increase coordination

Conferencing and collaboration capabilities will increase coordination and accelerate responsiveness, with first responders and operational teams, for a swift and safe conclusion of any emergency or security incident.

Improve safety

Providing the right instruction to security teams, teachers and students in case of lockdown or evacuation is of utmost importance. That's possible thanks to localized emergency notifications, asset tracking and wayfinding.

Ensure community safety:

- Any staff or student encountering a problem on campus can directly report it to the relevant teams via Rainbow by sending a message with a picture or a video. If necessary, security staff can contact person by text message to provide feedback on the actions taken.

- Students, teachers and staff can be alerted of potential health or weather issues via push notifications on their Rainbow app to keep them safe.

- If there is an emergency, the chatbot can help students and staff locate the nearest defibrillator as well as the list and location of fire extinguishers.

Efficient and secure operations:
Ensure privacy, security and easy integration with business processes

Rainbow is a high performance, flexible and open platform providing collaboration, conferencing and mobility. It is also a relationship machine that connects people, objects and applications such as artificial intelligence. Rainbow helps you enter the IoT-enabled communication paradigm within your business process and applications.

Simple, secure data privacy

This cloud-based solution can be used anywhere without compromising privacy because of the encrypted data flow between browser, applications and the Rainbow data center. Rainbow is compliant with the level of data protection and security expected by GDPR and ISO 27001.

Improved efficiency

Not only will Rainbow unified communications as a service (UCaaS) increase teacher and staff efficiency with mobile and cross-border collaboration, Rainbow CPaaS is also easy to integrate in any application such as ITMS, for example. It is an enabler of innovation that increases the quality and efficiency of education, the amount of information available to students and staff as well as emergency management in case of lock-down or evacuation.

State-of-the-art technology

Rainbow accommodates all standards-based devices, connecting people, objects and services – from commonly-used calendars, to directories and cognitive services such as simple chatbots or more comprehensive artificial intelligence.

With Rainbow, communications instantly become easier in each community's ecosystem — from students to education teams.

University Partner Program

To develop academic/industry and strategic business partnerships, ALE has created a program dedicated to universities whose students want to gain and improve their expertise in computer science, with great terms to gain access to Rainbow and location-based services (LBS) solutions.

We provide resources and collateral to educate students and teachers about our platforms, give access to our software development kit (SDK) as well as application programming interfaces (APIs), and examples for familiarity with LBS SDK and Rainbow APIs. We connect students and teachers to our expert and developers' community through collaborative spaces and forums.

Digital tools like Rainbow CPaaS help ease deployment of new e-services, providing rich communications and connected social communities.

Solution Brief
Optimize the education journey for student success

Rainbow rewards

No matter how far along you are in the transformation process, the ALE Rainbow hybrid solution will accompany you at your own pace in digital engagement.

Whether you provide applications for students, teachers or staff with enhanced communications through chatbots, or whether you've already invested in more complex safe campus solutions, Rainbow can serve as the backbone of your communications solution. Start using Rainbow with your team for free by visiting openrainbow.com.

Digitization is a key factor for success. But the challenge of digitization is to be innovative, while ensuring cost containment and secure data privacy. ALE Rainbow helps you — and your students and staff — get there.

Want to learn more?

Visit our dedicated EDUCATION site

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